

FIG. 1

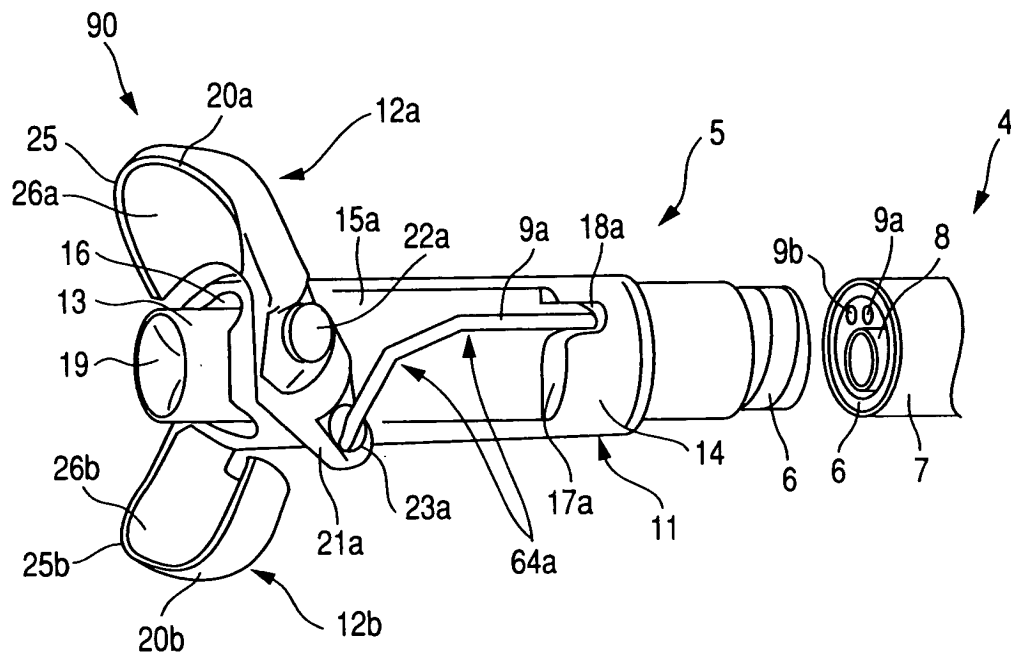


FIG. 2A

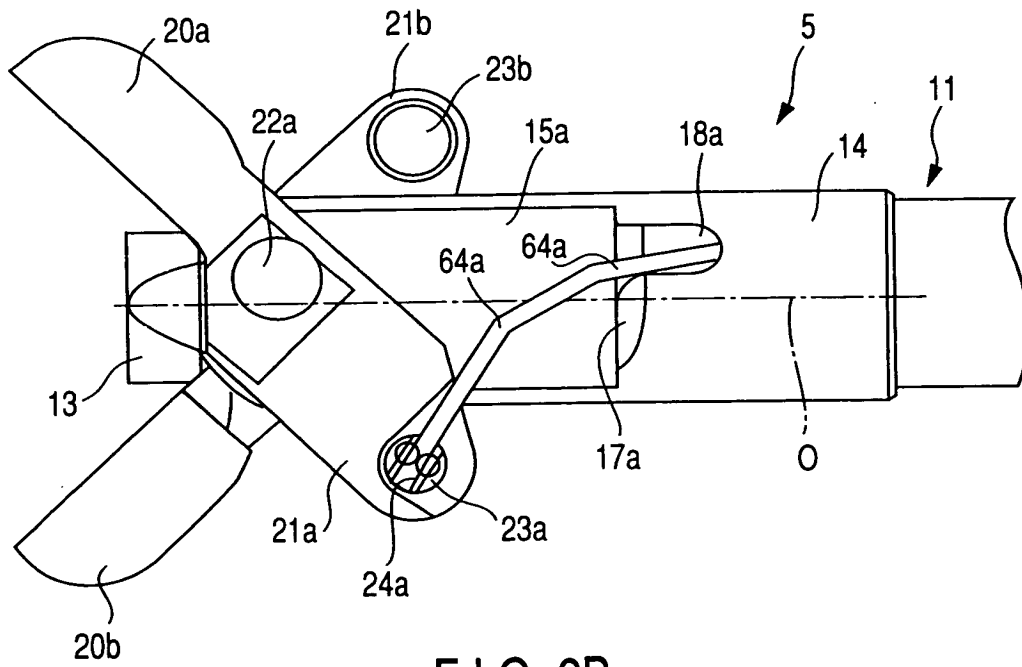
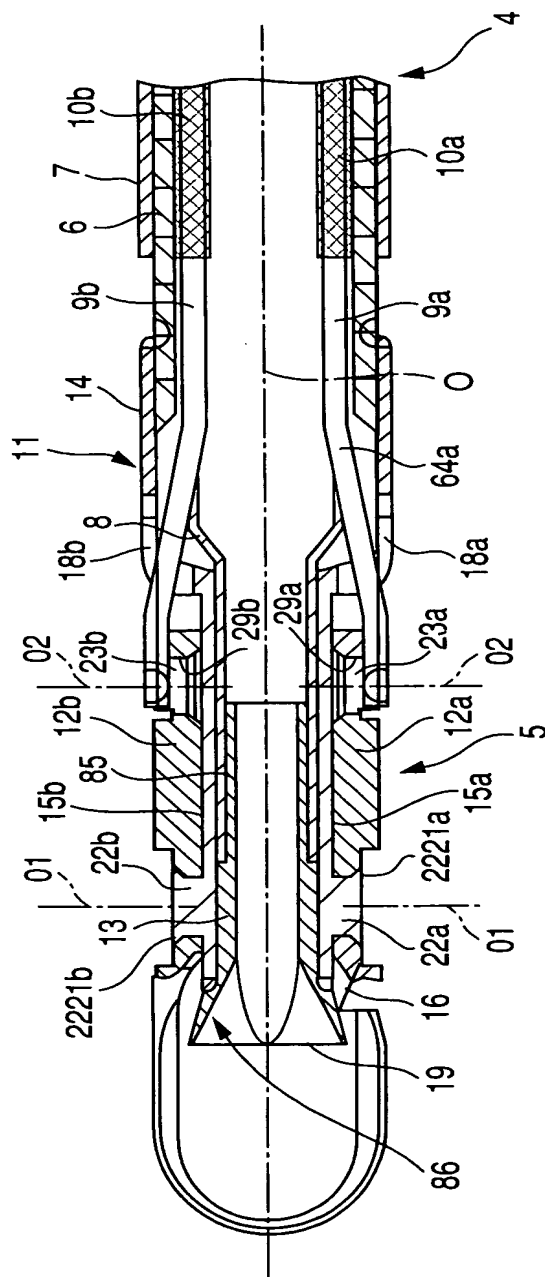
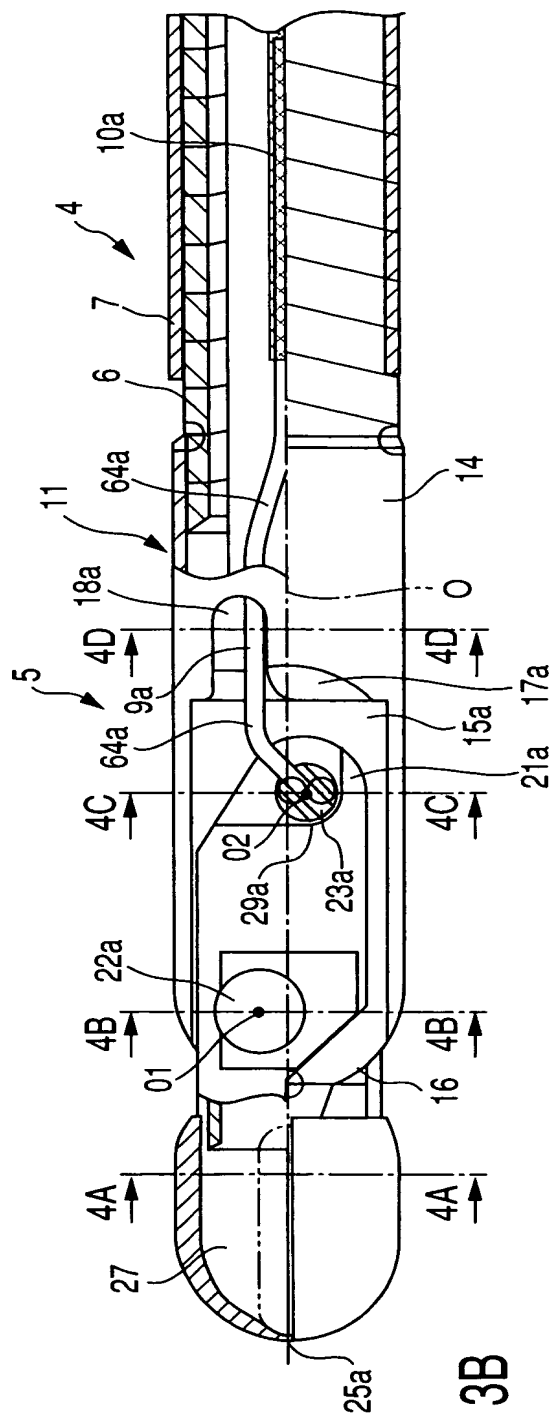


FIG. 2B



**FIG. 3A**



**FIG. 3B**

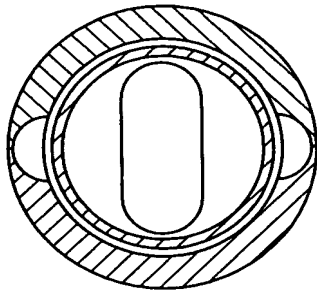


FIG. 4A

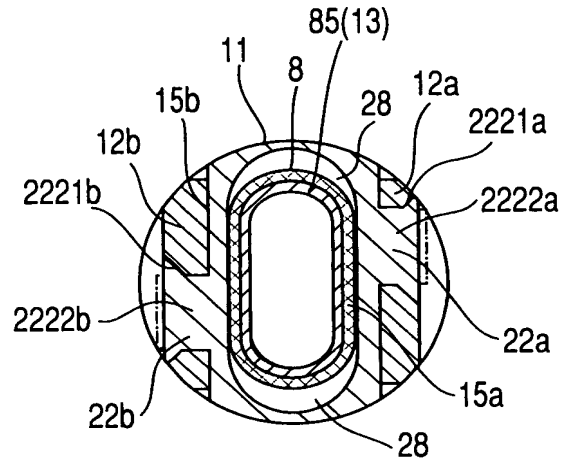


FIG. 4B

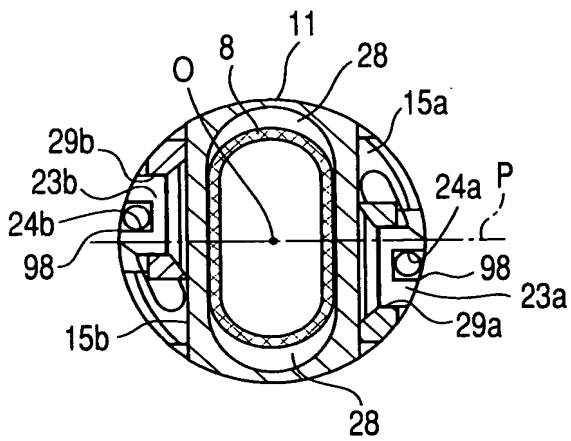


FIG. 4C

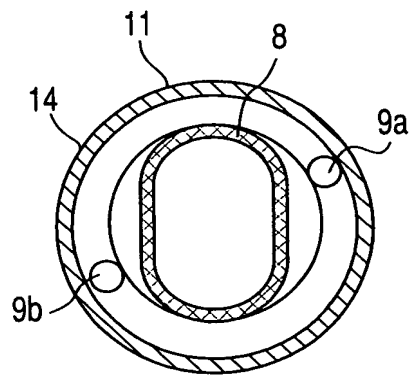


FIG. 4D

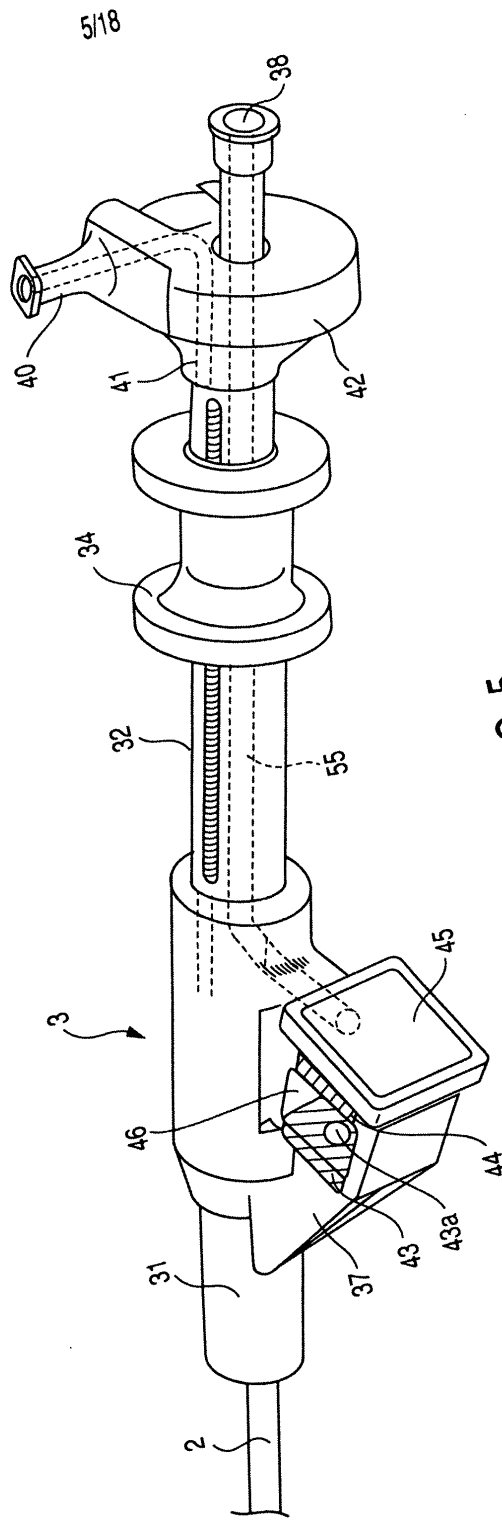


FIG. 5

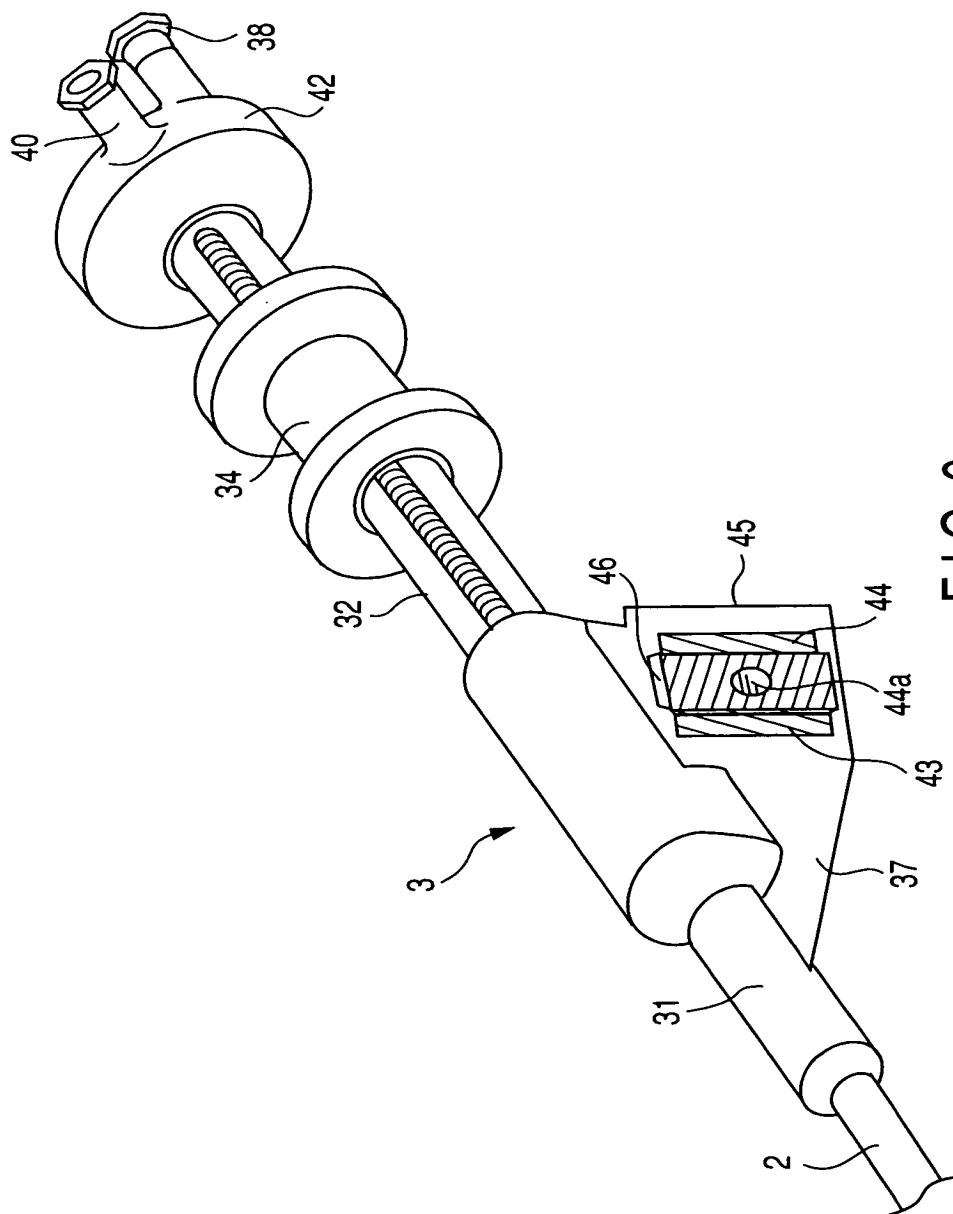


FIG. 6

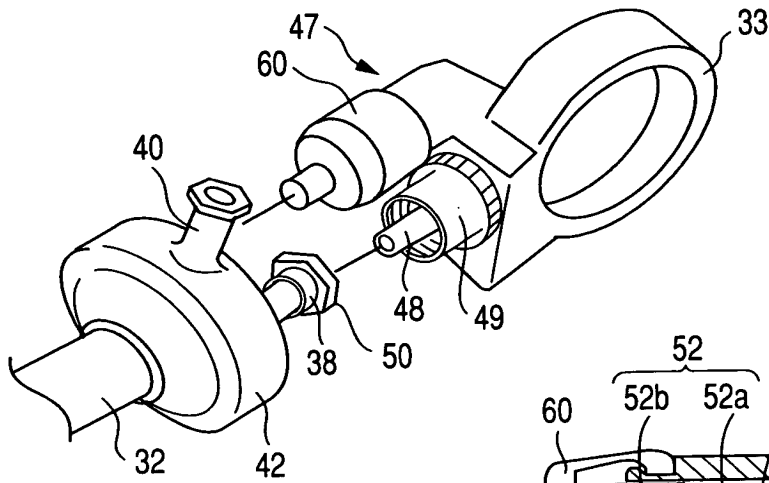


FIG. 7A

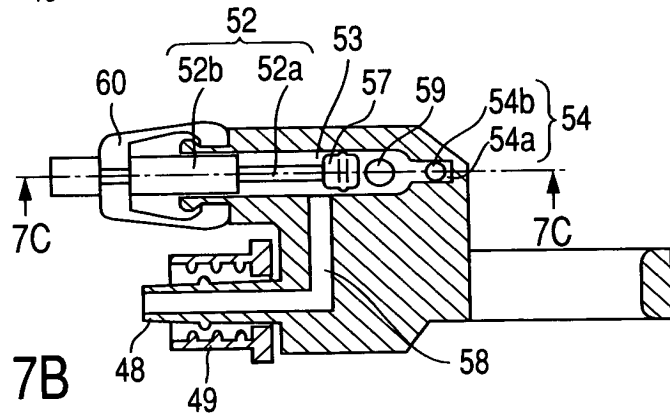


FIG. 7B

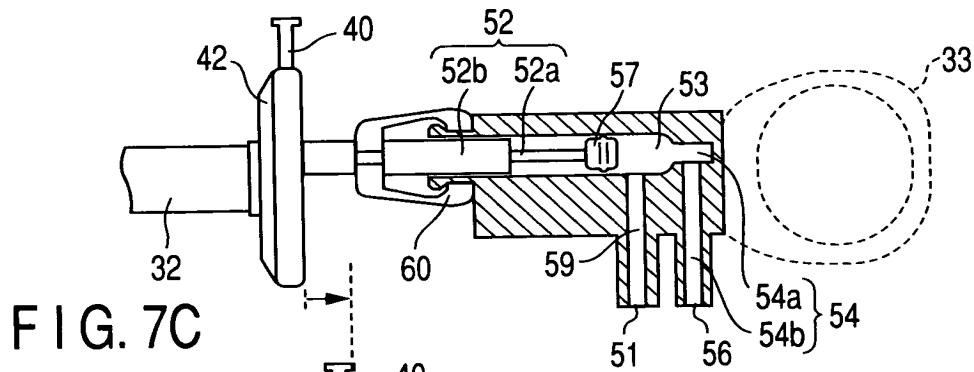


FIG. 7C

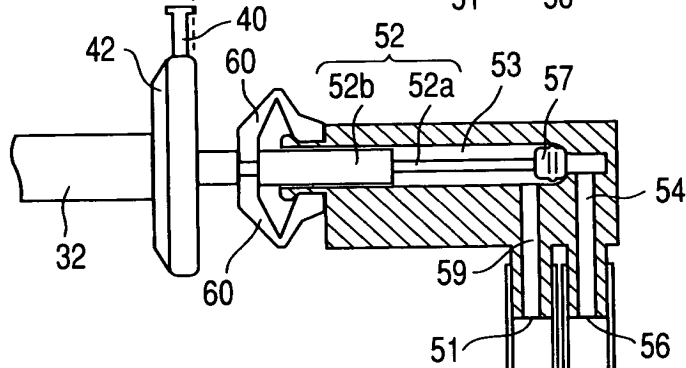


FIG. 7D

To suction pump ←      → To endoscope

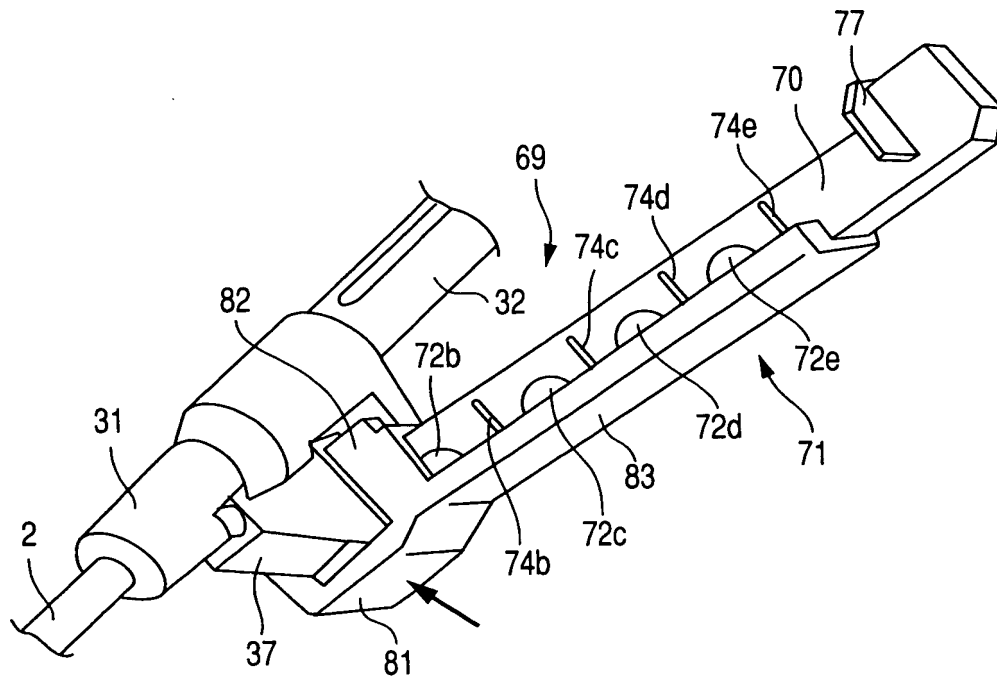


FIG. 8A

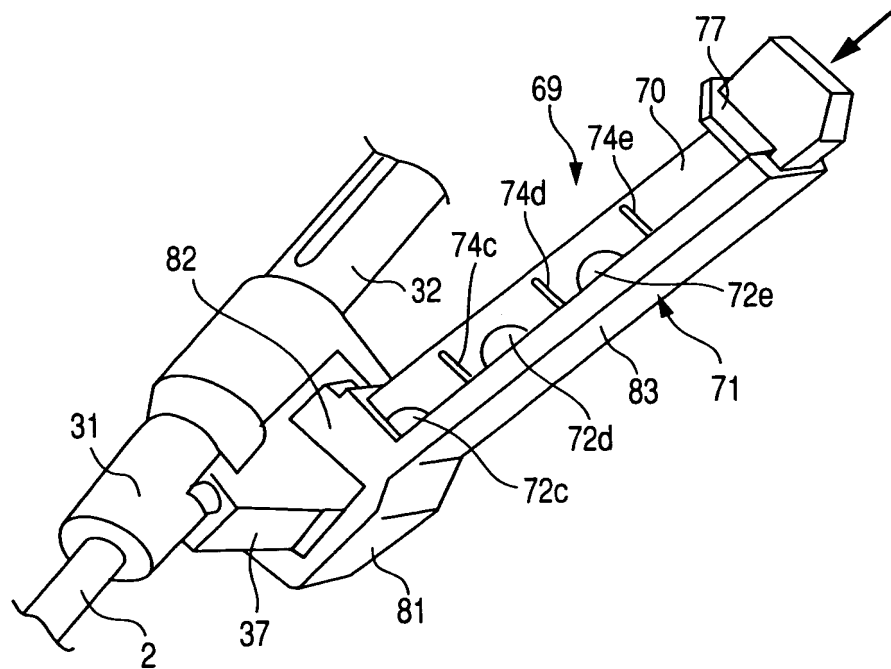


FIG. 8B



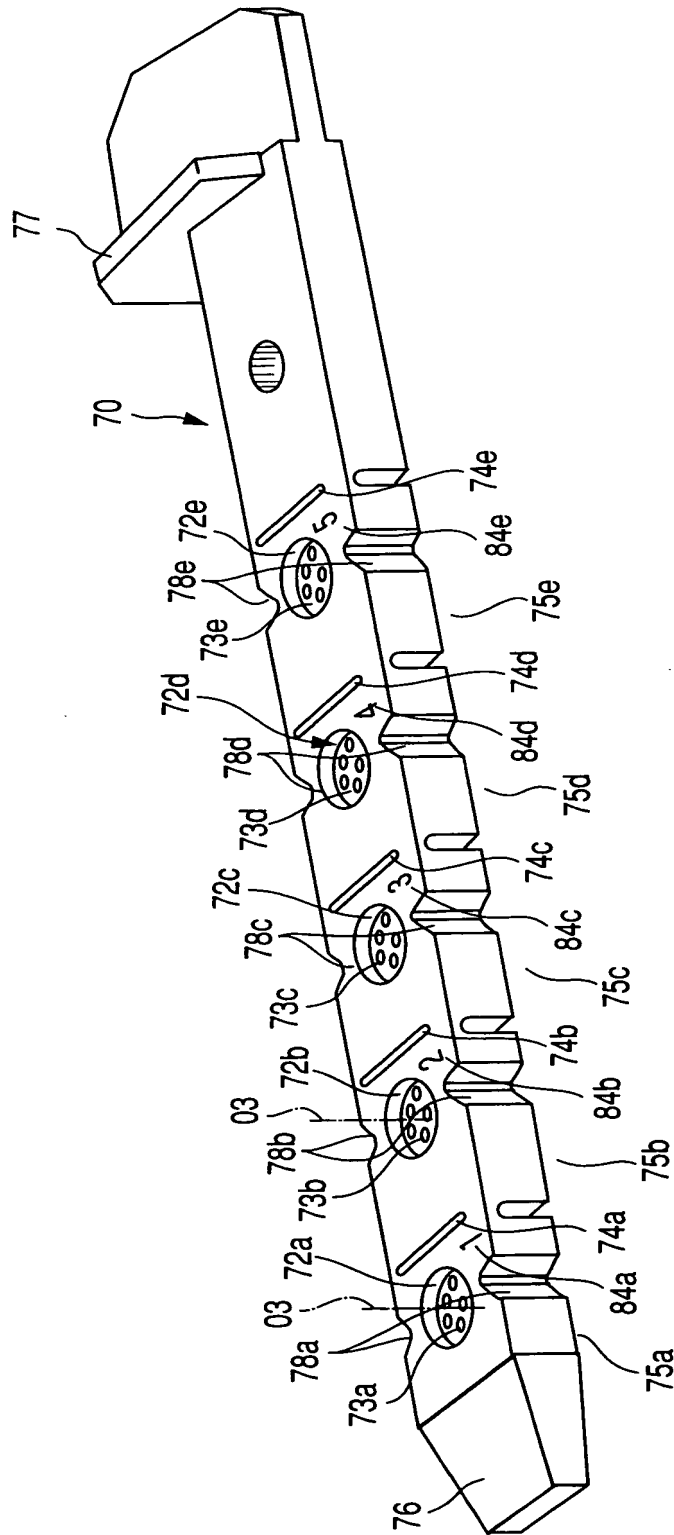


FIG. 9

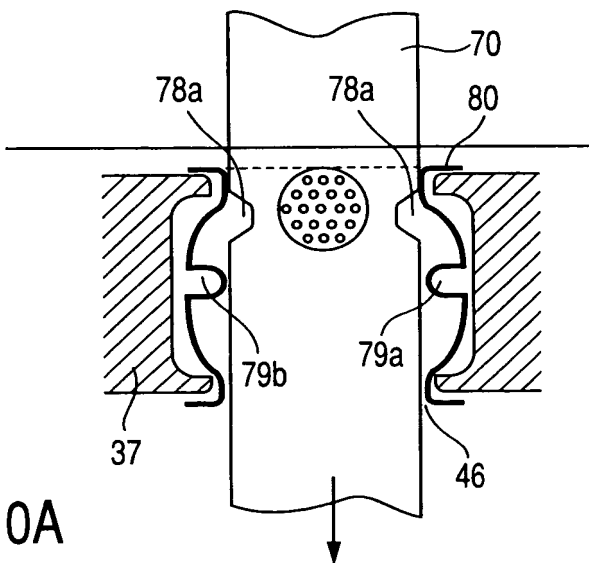
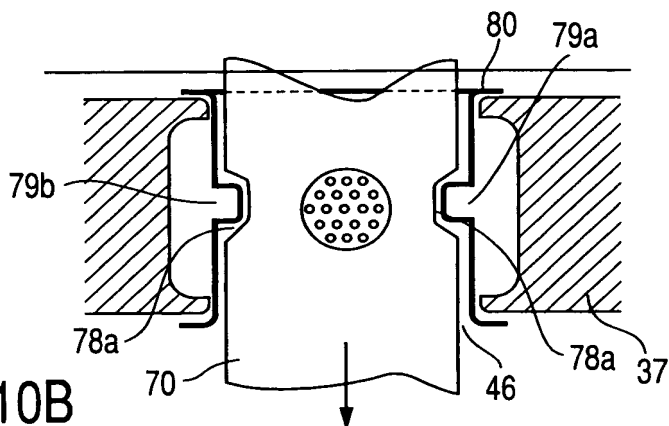


FIG. 10A



**FIG. 10B**

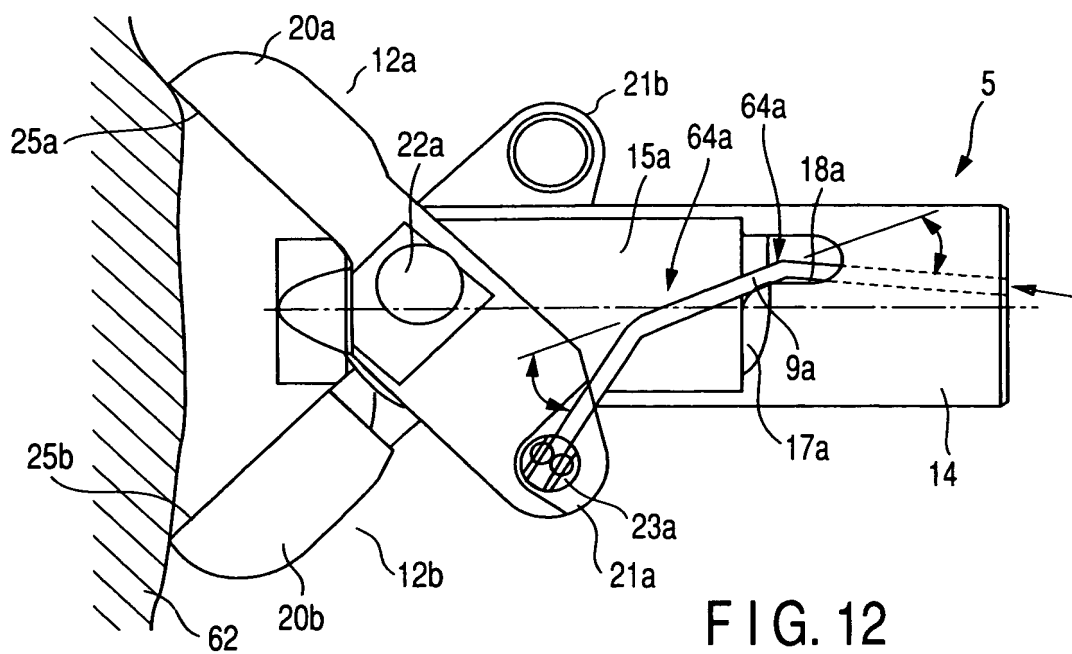


FIG. 12

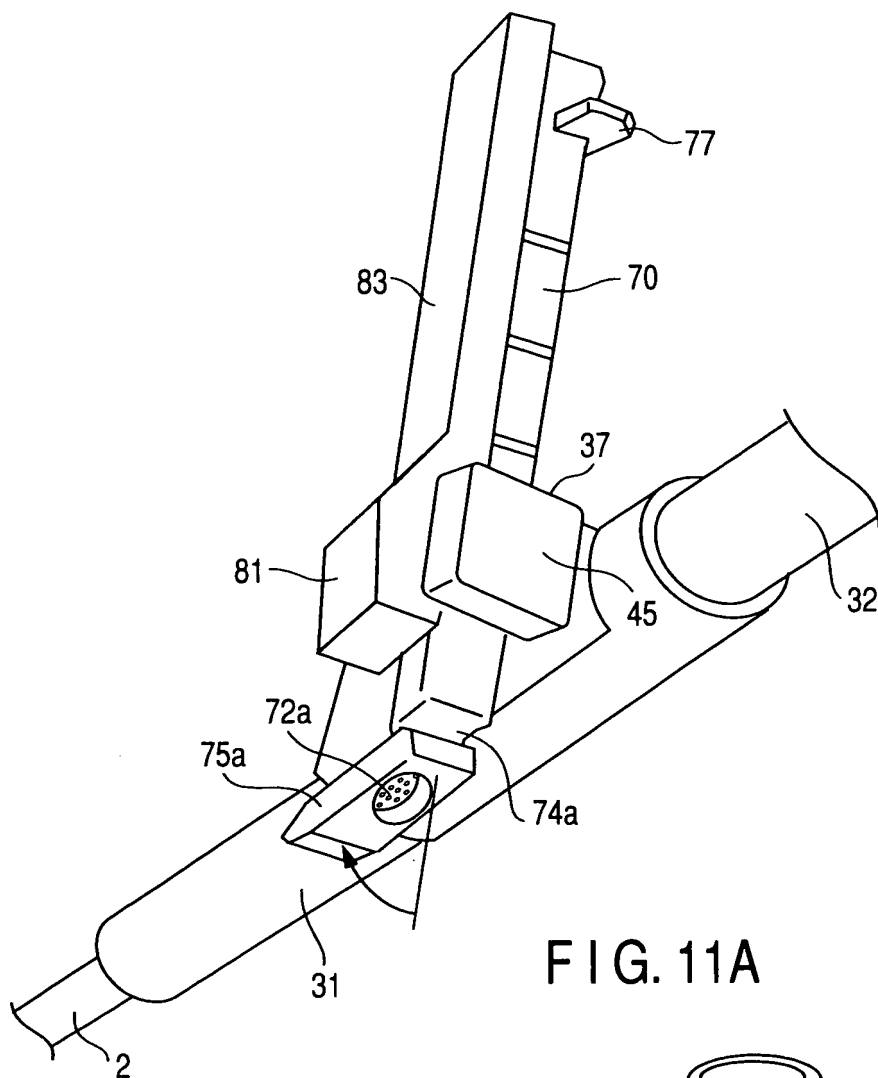


FIG. 11A

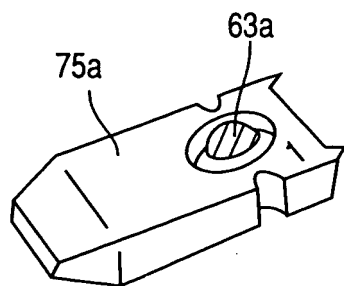


FIG. 11B

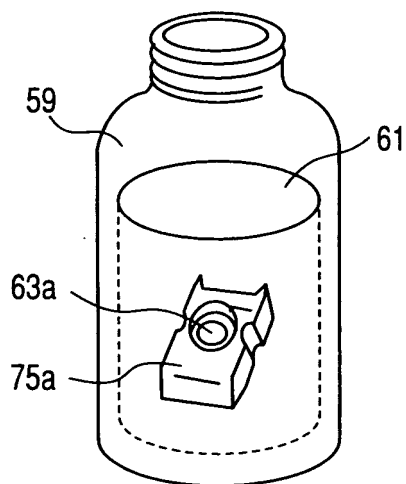


FIG. 11C

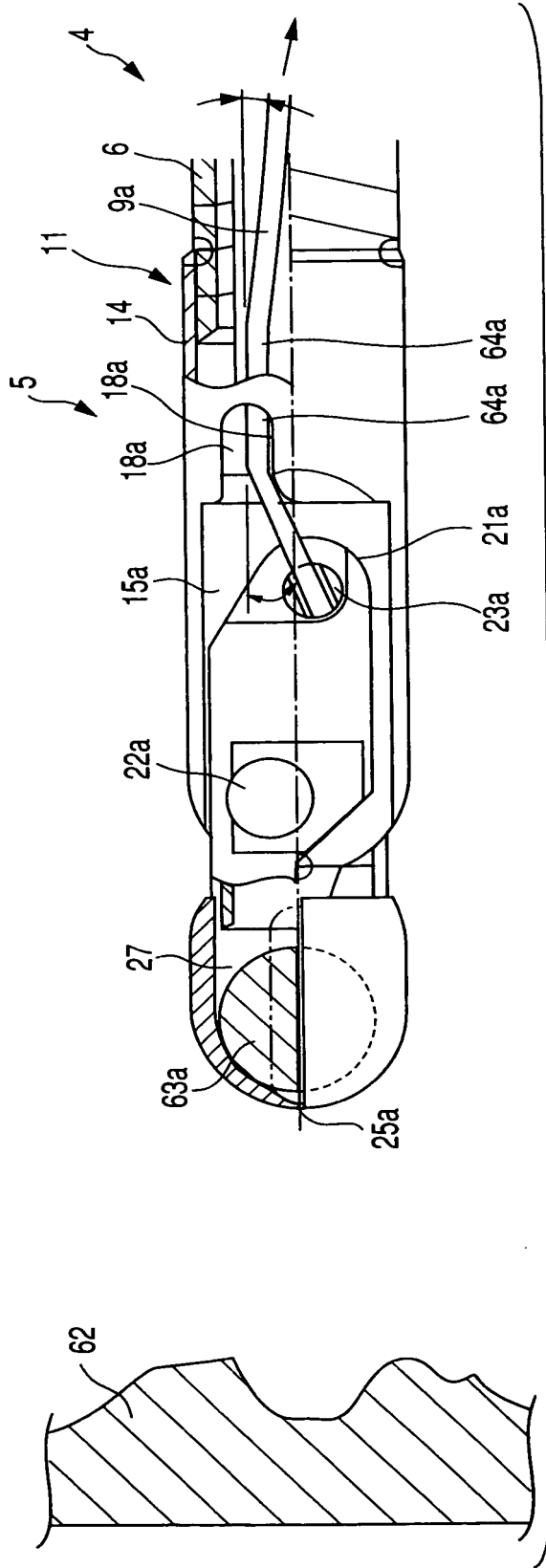


FIG. 13

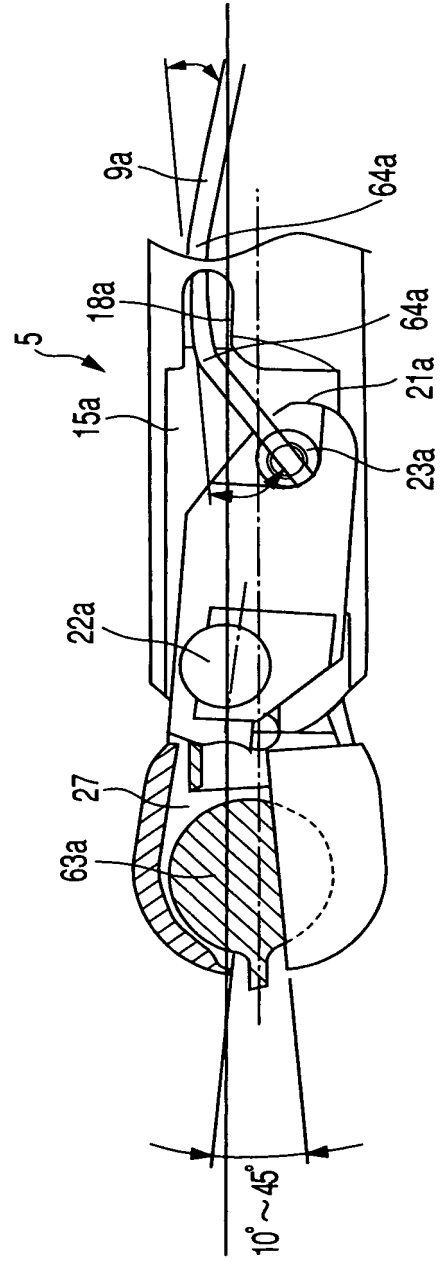


FIG. 14

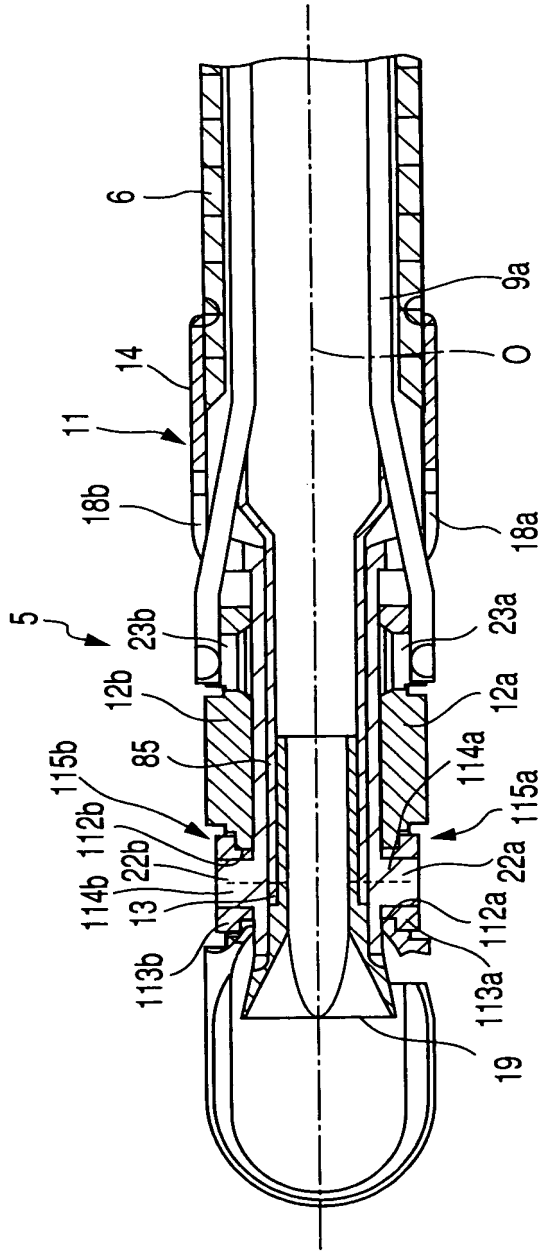


FIG. 15A

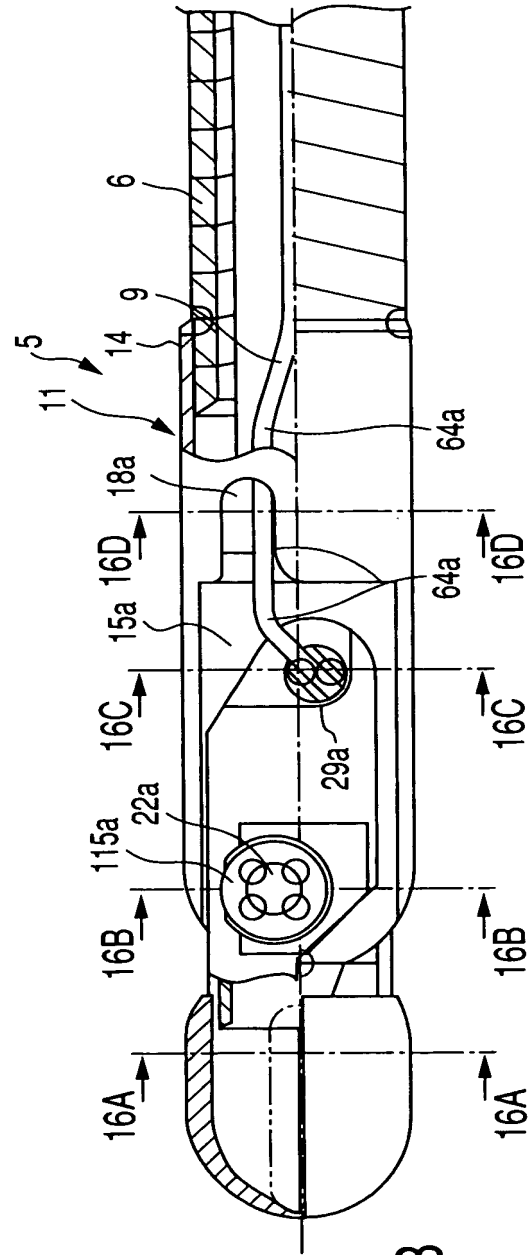


FIG. 15B

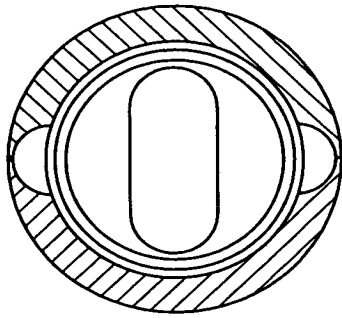


FIG. 16A

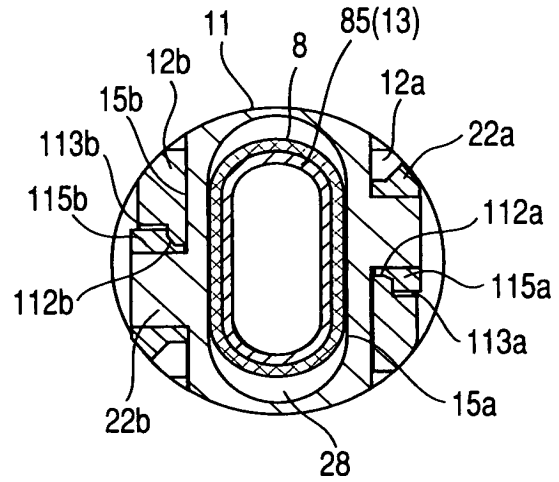


FIG. 16B

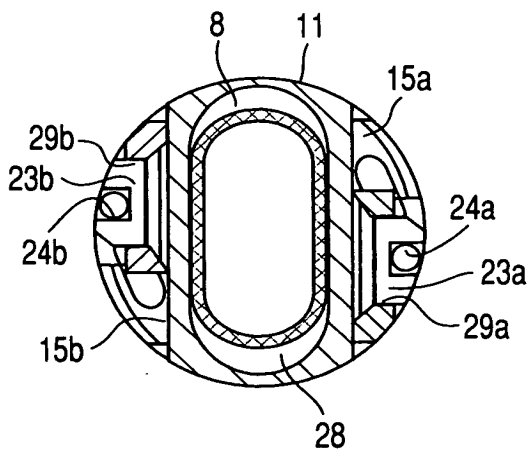


FIG. 16C

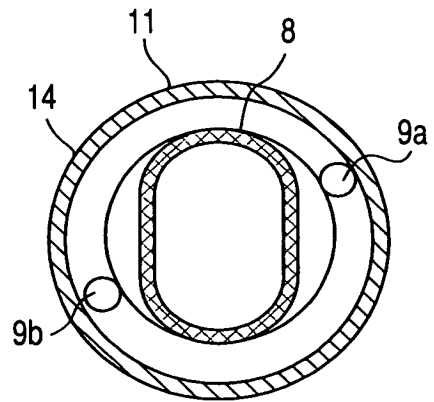


FIG. 16D

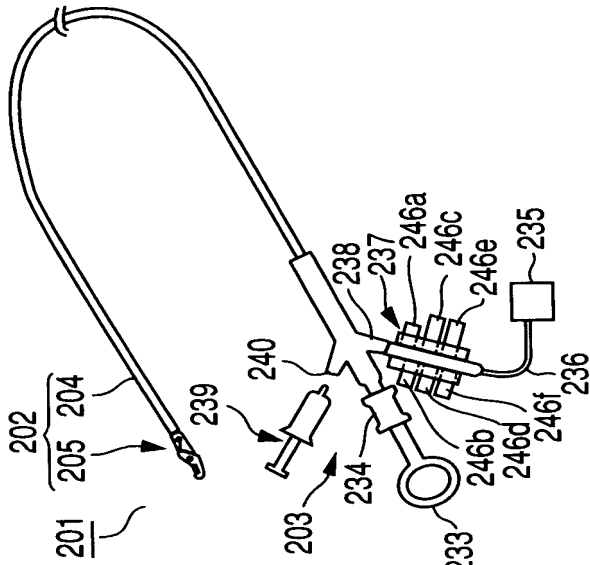


FIG. 17A  
(PRIOR ART)

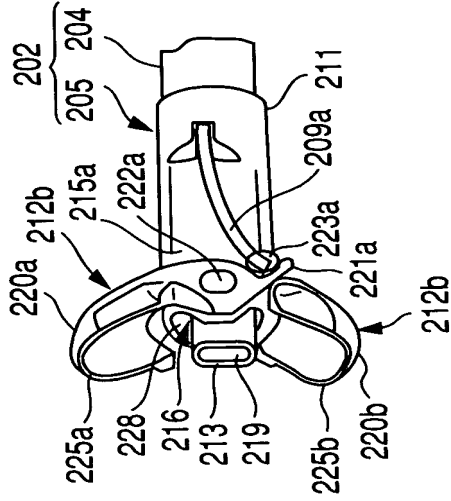


FIG. 17B  
(PRIOR ART)

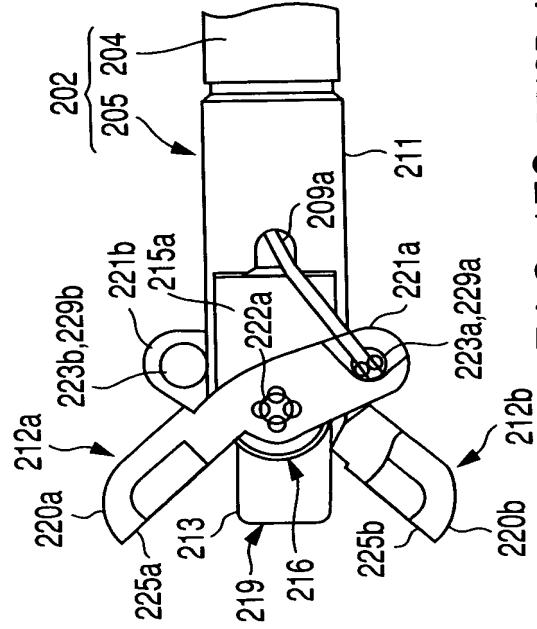


FIG. 17C (PRIOR ART)

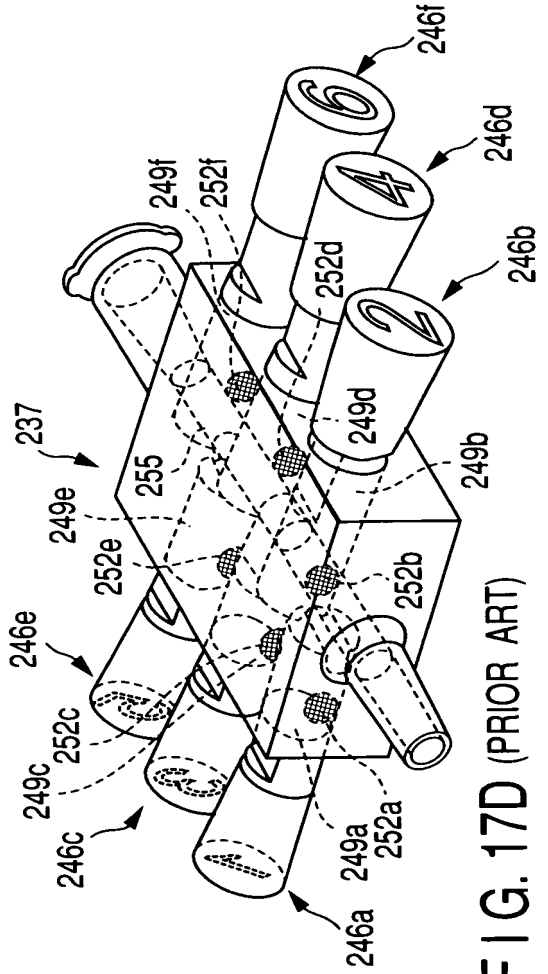
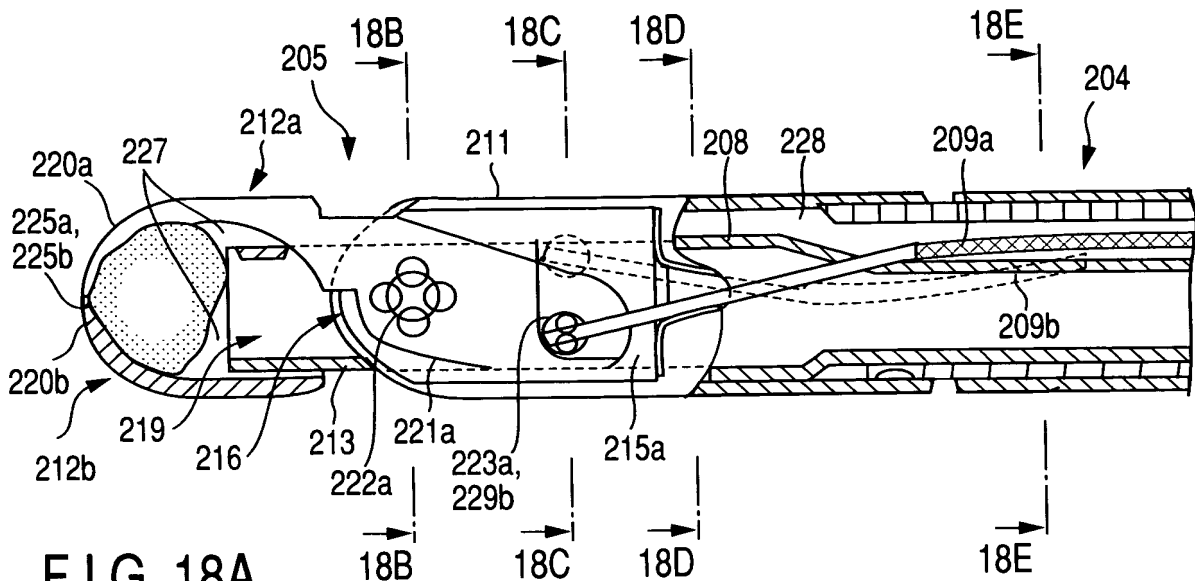
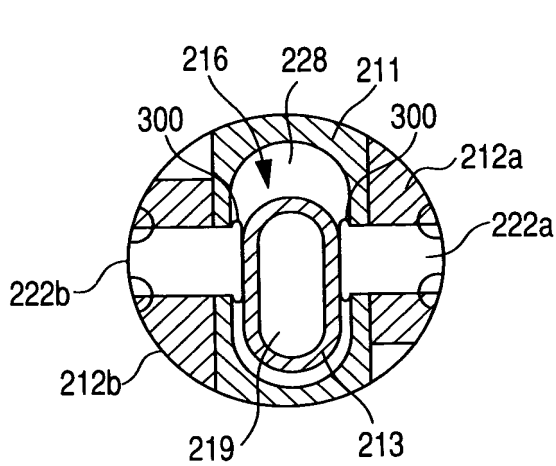


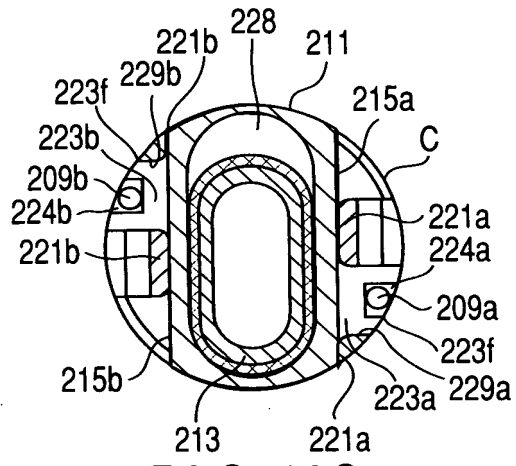
FIG. 17D (PRIOR ART)



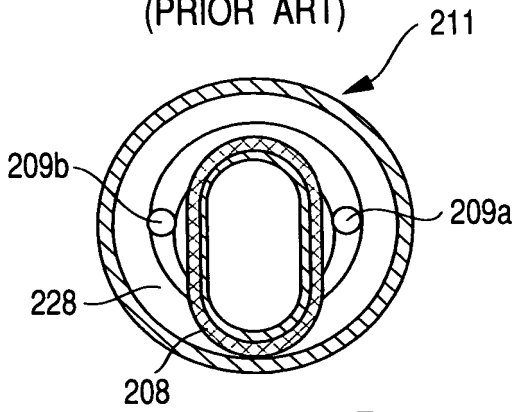
**FIG. 18A**  
(PRIOR ART)



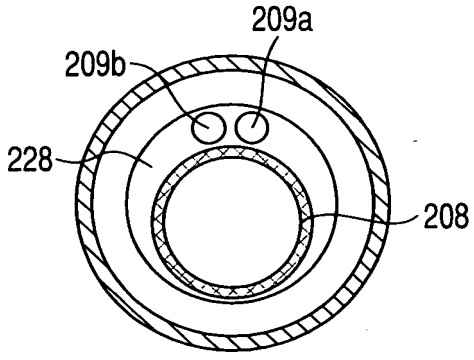
**FIG. 18B**  
(PRIOR ART)



**FIG. 18C**  
(PRIOR ART)



**FIG. 18D**  
(PRIOR ART)



**FIG. 18E**  
(PRIOR ART)



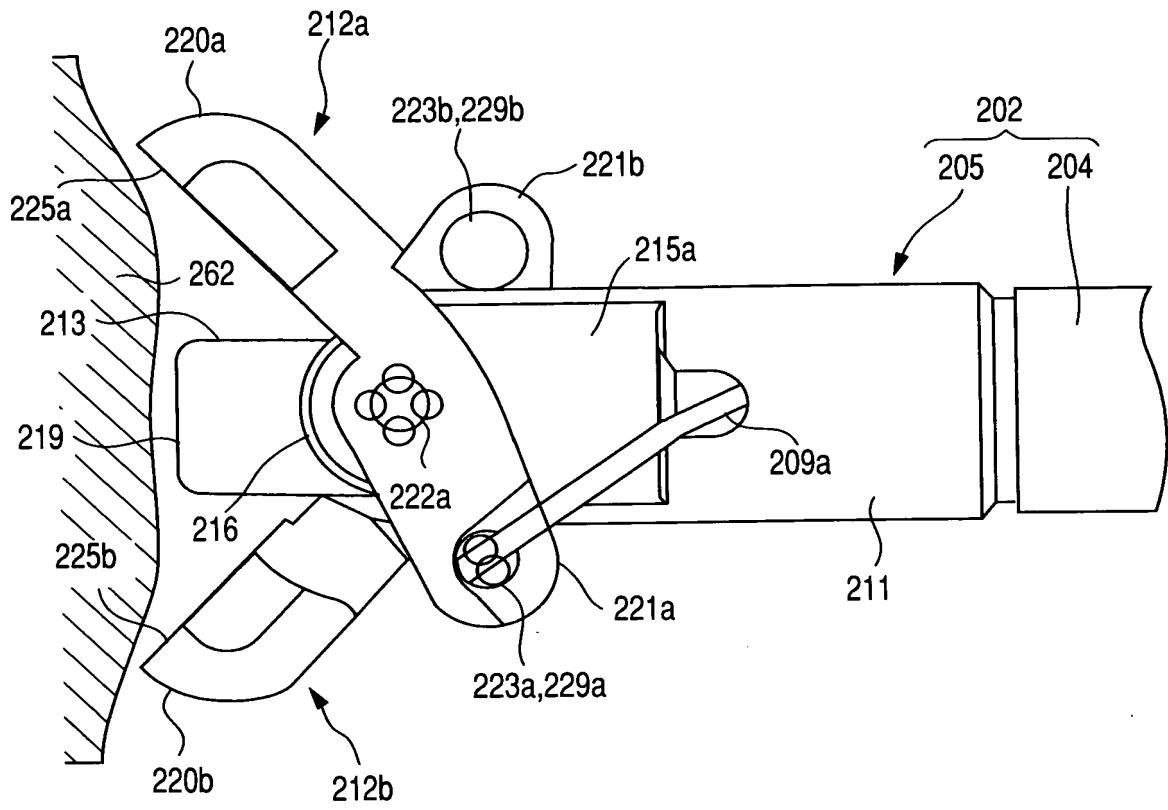
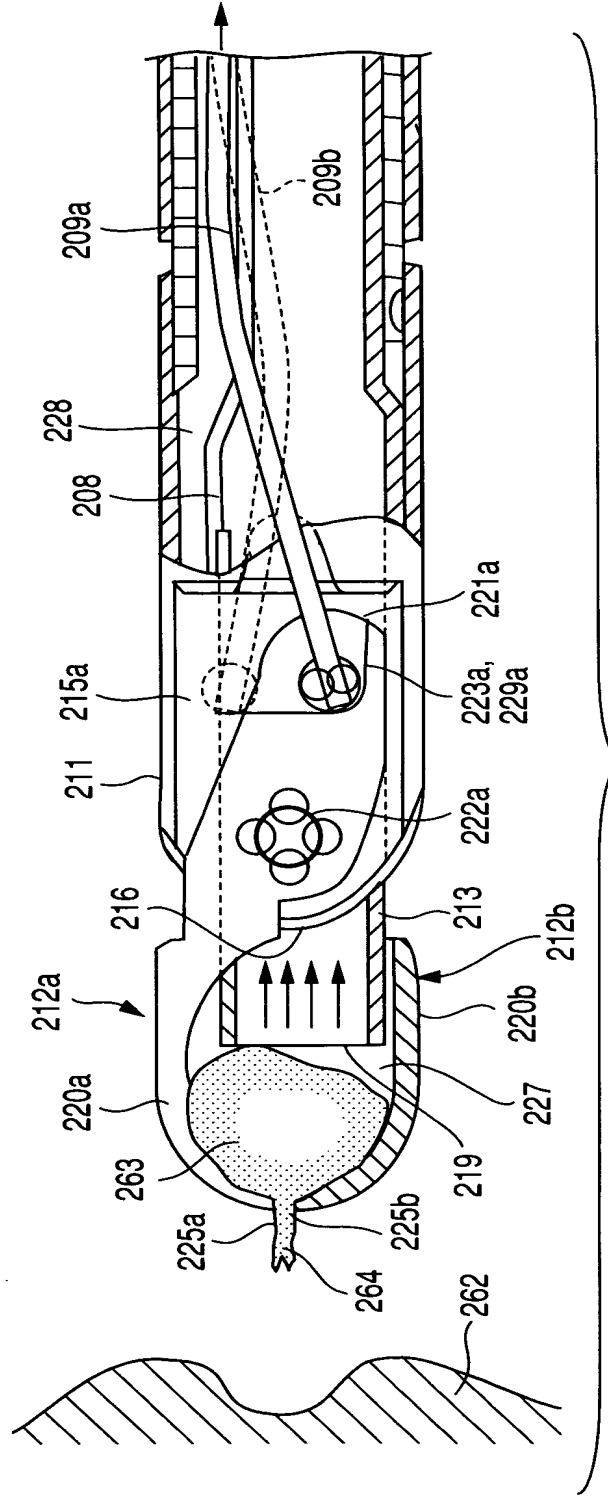


FIG. 19  
(PRIOR ART)



**FIG. 20**  
(PRIOR ART)